

Parasuraman Selvam

List of Publications by Year in descending order

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211
papers

5,646
citations

81743

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docs citations

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times ranked

5493
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Processing and Characterization of Periodic Mesoporous MCM-41 Silicate Molecular Sieves. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 3237-3261.	1.8	462
2	Magnesium and magnesium alloy hydrides. <i>International Journal of Hydrogen Energy</i> , 1986, 11, 169-192.	3.8	277
3	Removal of rhodamine B from aqueous solution by adsorption onto sodium montmorillonite. <i>Journal of Hazardous Materials</i> , 2008, 155, 39-44.	6.5	212
4	Hydrogenation of nitrobenzene over palladium-supported catalysts—Effect of support. <i>Applied Catalysis A: General</i> , 2009, 353, 160-165.	2.2	132
5	Mesoporous (Cr)MCM-41: A Mild and Efficient Heterogeneous Catalyst for Selective Oxidation of Cyclohexane. <i>Journal of Catalysis</i> , 2002, 211, 134-143.	3.1	131
6	para-Selective t-butylation of phenol over mesoporous H-AlMCM-41. <i>Microporous and Mesoporous Materials</i> , 2000, 39, 457-463.	2.2	128
7	A Quantum Molecular Dynamics Simulation Study of the Initial Hydrolysis Step in Sol-Gel Process. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1518-1524.	1.2	115
8	The influence of aluminium sources on the acidic behaviour as well as on the catalytic activity of mesoporous H-AlMCM-41 molecular sieves. <i>Microporous and Mesoporous Materials</i> , 2003, 65, 177-187.	2.2	111
9	Synthesis of Mg ₂ FeH ₆ , Mg ₂ CoH ₅ and Mg ₂ NiH ₄ by high-pressure sintering of the elements. <i>International Journal of Hydrogen Energy</i> , 1991, 16, 615-617.	3.8	102
10	Nanosized metal oxides in the mesopores of MCM-41 and MCM-48 silicates. <i>Catalysis Today</i> , 2001, 68, 63-68.	2.2	96
11	Regio- and Chemoselective Catalytic Transfer Hydrogenation of Aromatic Nitro and Carbonyl as Well as Reductive Cleavage of Azo Compounds over Novel Mesoporous NiMCM-41 Molecular Sieves. <i>Organic Letters</i> , 2002, 4, 4297-4300.	2.4	92
12	Tertiary butylation of phenol over mesoporous FeMCM-41. <i>Catalysis Letters</i> , 2000, 65, 153-157.	1.4	90
13	Allylic oxidation of cyclohexene over chromium containing mesoporous molecular sieves. <i>Applied Catalysis A: General</i> , 2003, 246, 283-293.	2.2	89
14	Transition metal (Cu, Cr, and V) modified MCM-41 for the catalytic wet air oxidation of aniline. <i>Microporous and Mesoporous Materials</i> , 2005, 86, 287-294.	2.2	87
15	Heterogeneous catalytic transfer hydrogenation of aromatic nitro and carbonyl compounds over cobalt(II) substituted hexagonal mesoporous aluminophosphate molecular sieves. <i>Tetrahedron Letters</i> , 2002, 43, 8527-8529.	0.7	80
16	Nanoarchitected peroxidase-mimetic nanozymes: mesoporous nanocrystalline α - or β -iron oxide?. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5412-5422.	2.9	72
17	A visible-light active catechol-metal oxide carbonaceous polymeric material for enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 384-396.	5.2	68
18	Novel mesoporous (Cr)MCM-48 molecular sieves: Promising heterogeneous catalysts for selective oxidation reactions. <i>New Journal of Chemistry</i> , 2003, 27, 1184.	1.4	67

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19	The entrapment of UO ₂ ²⁺ in mesoporous MCM-41 and MCM-48 molecular sieves. <i>Microporous and Mesoporous Materials</i> , 2001, 50, 173-179.	2.2	65
20	Influence of pH on the sorption behaviour of uranyl ions in mesoporous MCM-41 and MCM-48 molecular sieves. <i>Materials Research Bulletin</i> , 2004, 39, 2035-2048.	2.7	63
21	New ternary and quaternary metal hydrides with K ₂ PtCl ₆ -type structures. <i>Journal of the Less Common Metals</i> , 1991, 171, 301-311.	0.9	59
22	Selective reduction of alkenes, α,β -unsaturated carbonyl compounds, nitroarenes, nitroso compounds, N,N-hydrogenolysis of azo and hydrazo functions as well as simultaneous hydrodehalogenation and reduction of substituted aryl halides over PdMCM-41 catalyst under transfer hydrogen conditions. <i>Tetrahedron Letters</i> , 2004, 45, 3071-3075.	0.7	59
23	Mesoporous VMCM-41: highly efficient and remarkable catalyst for selective oxidation of cyclohexane to cyclohexanol. <i>Journal of Molecular Catalysis A</i> , 2004, 223, 241-250.	4.8	55
24	Studies on the thermal characteristics of hydrides of Mg, Mg ₂ Ni, Mg ₂ Cu and Mg ₂ Ni _{1-x} M _x (M = Fe, Co). <i>Journal of Materials Research</i> , 1994, 8, 1000-1004.	3.8	54
25	Coexistence of paramagnetic and superparamagnetic Fe(III) in mesoporous MCM-41 silicates. <i>Catalysis Today</i> , 2001, 68, 69-74.	2.2	52
26	Catalytic activity of highly ordered mesoporous VMCM-48. <i>Applied Catalysis A: General</i> , 2004, 276, 257-265.	2.2	52
27	Platinum-supported mesoporous carbon (Pt/CMK-3) as anodic catalyst for direct methanol fuel cell applications: The effect of preparation and deposition methods. <i>Progress in Natural Science: Materials International</i> , 2012, 22, 616-623.	1.8	52
28	Title is missing!. <i>Catalysis Letters</i> , 2001, 77, 155-158.	1.4	51
29	The effect of vanadium sources on the synthesis and catalytic activity of VMCM-41. <i>Journal of Catalysis</i> , 2005, 229, 64-71.	3.1	51
30	Influence of aluminium sources on the synthesis and catalytic activity of mesoporous AlMCM-41 molecular sieves. <i>Catalysis Today</i> , 2000, 63, 291-295.	2.2	48
31	Synthesis and characterization of divalent cobalt-substituted mesoporous aluminophosphate molecular sieves and their application as novel heterogeneous catalysts for the oxidation of cycloalkanes. <i>Journal of Catalysis</i> , 2005, 233, 276-287.	3.1	46
32	Chemoselective Reduction of α,β -Unsaturated Carbonyls over Novel Mesoporous CoHMA Molecular Sieves under Hydrogen Transfer Conditions. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 542-544.	2.1	44
33	Preparation and characterization of CNSR functionalized Fe ₃ O ₄ magnetic nanoparticles: An efficient adsorbent for the removal of cadmium ion from water. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4539-4546.	3.3	44
34	Fabrication of SPAEK®-cerium zirconium oxide nanotube composite membrane with outstanding performance and durability for vanadium redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20205-20213.	5.2	44
35	Mesoporous H-AlMCM-48: highly efficient solid acid catalyst. <i>Applied Catalysis A: General</i> , 2003, 254, 239-249.	2.2	42
36	Synthesis and characterization of Keggin-type polyoxometalate/zirconia nanocomposites: Comparison of its photocatalytic activity towards various organic pollutants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 370, 26-40.	2.0	42

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37	XPS studies of the surface properties of CaNi5. Journal of Electron Spectroscopy and Related Phenomena, 1989, 49, 203-211.	0.8	41
38	Tertiary butylation of phenol over mesoporous MeMCM-48 and MeMCM-41 (Me = Ga, Fe, Al or B) solid acid catalysts. Catalysis Today, 2004, 96, 135-141.	2.2	41
39	Vapour phase tertiary butylation of phenol over sulfated zirconia catalyst. Catalysis Letters, 2001, 72, 225-228.	1.4	40
40	Encapsulation, characterization and catalytic properties of uranyl ions in mesoporous molecular sieves. Journal of Molecular Catalysis A, 2002, 181, 91-97.	4.8	40
41	Quantum Chemical Molecular Dynamics Simulation of the Plasma Etching Processes. Japanese Journal of Applied Physics, 2003, 42, 1859-1864.	0.8	40
42	A highly selective, heterogeneous route to enones from allylic and benzylic compounds over mesoporous CrMCM-41 molecular sieves. Journal of Catalysis, 2007, 249, 394-396.	3.1	40
43	Mesoporous H-GaMCM-48: A remarkable solid acid catalyst for tertiary butylation of phenol. Journal of Catalysis, 2004, 224, 178-186.	3.1	39
44	Mesoporous Iron Oxide Nanoparticles for Magnetically Triggered Release of Doxorubicin and Hyperthermia Treatment. Chemistry - A European Journal, 2016, 22, 17020-17028.	1.7	39
45	Thermally stable trivalent iron-substituted hexagonal mesoporous aluminophosphate (FeHMA) molecular sieves: Synthesis, characterization, and catalytic properties. Journal of Catalysis, 2006, 238, 88-99.	3.1	38
46	Chemo- and regioselective reduction of nitroarenes, carbonyls and azo dyes over nickel-incorporated hexagonal mesoporous aluminophosphate molecular sieves. Tetrahedron Letters, 2004, 45, 2003-2007.	0.7	37
47	Reductive cleavage of azo dyes and reduction of nitroarenes over trivalent iron incorporated hexagonal mesoporous aluminophosphate molecular sieves. Applied Catalysis B: Environmental, 2003, 46, 155-163.	10.8	35
48	Ring Opening of Methylenecyclopropane over Lanthanocene Catalyst: A Quantum-Chemical Molecular Dynamics Simulation Study. Organometallics, 2003, 22, 2181-2183.	1.1	35
49	Periodic density functional investigation of Brønsted acidity in isomorphously substituted chabazite and AlPO-34 molecular sieves. Microporous and Mesoporous Materials, 2004, 71, 51-56.	2.2	35
50	An efficient mesoporous carbon nitride (g-C ₃ N ₄) functionalized Pd catalyst for carbon-carbon bond formation reactions. RSC Advances, 2016, 6, 49376-49386.	1.7	35
51	Synthesis, characterization and catalytic properties of trivalent iron substituted hexagonal mesoporous aluminophosphates Electronic supplementary information (ESI) available: XRD patterns. See http://www.rsc.org/suppdata/cc/b2/b204215k/ . Chemical Communications, 2002, , 1466-1467.	2.2	33
52	Titanium substituted hexagonal mesoporous aluminophosphates: Highly efficient and selective heterogeneous catalysts for the oxidation of phenols at room temperature. Catalysis Communications, 2003, 4, 57-62.	1.6	33
53	Selective production of aromatic hydrocarbons from lignocellulosic biomass via catalytic fast-hydrolysis using W ₂ C/γ-Al ₂ O ₃ . Catalysis Communications, 2018, 110, 68-73.	1.6	32
54	Catalytic hydrodehalogenation of aryl halides, reduction of nitroarenes and reductive cleavage of azo compounds over mesoporous PdMCM-41 molecular sieves under transfer hydrogenation conditions. Applied Catalysis B: Environmental, 2004, 49, 251-255.	10.8	31

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55	Supported 12-tungstophosphoricacid: An efficient and selective solid acid catalyst for tert-butylation of phenol and cresols. <i>Catalysis Communications</i> , 2008, 9, 1545-1550.	1.6	30
56	X-Ray Photoelectron Spectroscopic Study of the Oxide Film on an Aluminum-Tin Alloy in 3.5% Sodium Chloride Solution. <i>Corrosion</i> , 1997, 53, 808-812.	0.5	28
57	Catalytic Oxidation of Alkylaromatics over Mesoporous (Cr)MCM-41. <i>Catalysis Letters</i> , 2002, 80, 73-76.	1.4	28
58	Vapor-Phase Tertiary Butylation of Phenol Over Mesoporous Gallosilicate Molecular Sieves. <i>Catalysis Letters</i> , 2002, 84, 37-43.	1.4	28
59	Uranyl-anchored MCM-41 as a highly efficient photocatalyst for the complete oxidation of methanol under sunlight. <i>Applied Catalysis B: Environmental</i> , 2004, 54, 145-154.	10.8	28
60	Surface properties of LaNi5: A reinvestigation. <i>International Journal of Hydrogen Energy</i> , 1991, 16, 23-33.	3.8	27
61	Hydrodeoxygenation kinetics of syringol, guaiacol and phenol over H-ZSM-5. <i>Catalysis Communications</i> , 2021, 148, 106164.	1.6	27
62	Structure refinement of Mg2Cu and a comparison of the Mg2Cu, Mg2Ni and Al2Cu structure types. <i>Acta Crystallographica Section B: Structural Science</i> , 1993, 49, 201-203.	1.8	26
63	Overview on the recent progress on Chevrel phases and the impact on the development of PbMo/sub 6/S/sub 8/ wires. <i>IEEE Transactions on Applied Superconductivity</i> , 1993, 3, 1502-1509.	1.1	26
64	Sunlight-Assisted Photocatalytic Oxidation of Methane over Uranyl-Anchored MCM-41. <i>Catalysis Letters</i> , 2004, 98, 113-116.	1.4	25
65	Title is missing!. <i>Catalysis Letters</i> , 2003, 85, 217-222.	1.4	24
66	Surface properties and their consequences on the hydrogen sorption characteristics of certain materials. <i>Journal of the Less Common Metals</i> , 1990, 163, 89-108.	0.9	23
67	Catalytic Transfer Hydrogenation of Nitro and Carbonyl Compounds over Novel Fe(III) Substituted Hexagonal Mesoporous Aluminophosphates. <i>Chemistry Letters</i> , 2003, 32, 142-143.	0.7	23
68	Synthesis and characterization of new photoresponsive acrylamide polymers having pendant chalcone moieties. <i>Reactive and Functional Polymers</i> , 2005, 62, 179-193.	2.0	23
69	An in situ FT-IR study of photo-oxidation of alcohols over uranyl-anchored MCM-41: Possible reaction pathways. <i>Journal of Catalysis</i> , 2007, 247, 1-19.	3.1	22
70	Rational design, synthesis, characterization and catalytic properties of high-quality low-silica hierarchical FAU- and LTA-type zeolites. <i>Scientific Reports</i> , 2018, 8, 16291.	1.6	22
71	Mg2NiH: A new hydride phase in the Mg2Ni—H2 system. <i>International Journal of Hydrogen Energy</i> , 1988, 13, 749-759.	3.8	21
72	Quantum-chemical study on the supported precious metal catalyst. <i>Catalysis Today</i> , 2003, 87, 43-50.	2.2	21

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73	A theoretical study on the cyclopropane adsorption onto the copper surfaces by density functional theory and quantum chemical molecular dynamics methods. <i>Journal of Molecular Catalysis A</i> , 2004, 220, 189-198.	4.8	21
74	Chemical reaction dynamics of PeCB and TCDD decomposition: A tight-binding quantum chemical molecular dynamics study with first-principles parameterization. <i>International Journal of Quantum Chemistry</i> , 2005, 102, 318-327.	1.0	21
75	Adsorption of hydrogen and carbon dioxide in zeolitic imidazolate framework structure with SOD topology: experimental and modelling studies. <i>Adsorption</i> , 2020, 26, 1027-1038.	1.4	21
76	Some comments on modes of activation of LaNi ₅ and CaNi ₅ alloys for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 1989, 14, 687-689.	3.8	20
77	Enhanced J _c and improved grain-boundary properties in Ag-doped YBa ₂ Cu ₃ O _{7-δ} films. <i>Applied Physics Letters</i> , 1997, 71, 137-139.	1.5	20
78	Stoichiometry of the diamond/silicon interface and its influence on the silicon content of diamond films. <i>Journal of Applied Physics</i> , 1998, 83, 1120-1124.	1.1	20
79	Synthesis, characterization and catalytic properties of mesoporous TiHMA molecular sieves: selective oxidation of cycloalkanes. <i>Microporous and Mesoporous Materials</i> , 2004, 73, 137-149.	2.2	20
80	The Enhanced Catalytic Performance and Stability of Ordered Mesoporous Carbon Supported Nano-Gold with High Structural Integrity for Glycerol Oxidation. <i>Chemical Record</i> , 2019, 19, 1913-1925.	2.9	20
81	X-ray photoelectron spectroscopic, electrical and magnetic studies on Mg ₂ NiH ₄ . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1988, 46, 357-361.	0.8	19
82	Investigation of the intermediate hydride phase β -LaNi ₅ H _{3.5} by high pressure and high temperature gravimetry. <i>Journal of the Less Common Metals</i> , 1991, 171, L17-L21.	0.9	19
83	Chemical vapour deposition of diamond on stainless steel: the effect of Ni-diamond composite coated buffer layer. <i>Diamond and Related Materials</i> , 1998, 7, 1010-1013.	1.8	19
84	Title is missing!. <i>Topics in Catalysis</i> , 2003, 22, 17-22.	1.3	19
85	Li-ion kinetics in LiFePO ₄ /carbon nanocomposite prepared by a two-step process: The role of phase composition. <i>Electrochimica Acta</i> , 2016, 209, 565-573.	2.6	19
86	Electrochemical performance of nano-LiFePO ₄ embedded ordered mesoporous nitrogenous carbon composite as cathode material for Li-ion battery applications. <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113242.	1.9	19
87	Energy and environment—An all time search†. <i>International Journal of Hydrogen Energy</i> , 1991, 16, 35-45.	3.8	18
88	COMPUTATIONAL CHEMISTRY FOR INDUSTRIAL INNOVATION. <i>Reviews in Chemical Engineering</i> , 2006, 22, .	2.3	18
89	Hydrogenolysis of glycerol over silica-supported copper-nanocatalyst: Effect of precipitating-agent and copper metal-loading. <i>Molecular Catalysis</i> , 2018, 458, 307-316.	1.0	18
90	Ordered mesoporous nanocrystalline titania: A promising new class of photocatalytic materials. <i>Catalysis Today</i> , 2018, 309, 202-211.	2.2	18

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91	Evidence for the formation of surface carbonates on some hydrogen storage intermetallic compounds: an XPS study. <i>International Journal of Hydrogen Energy</i> , 1990, 15, 133-137.	3.8	17
92	Hydrogen-stabilized Mg ₂ RhH _{1.1} with filled Ti ₂ Ni-type structure. <i>Journal of Alloys and Compounds</i> , 1992, 178, 167-172.	2.8	17
93	Electrochemical incorporation of lithium into palladium from aprotic electrolytes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 270, 445-450.	0.3	16
94	The influence of atmospheric CO ₂ on the surface properties of Mg ₂ NiH ₄ and a comparison with some hydrogen storage alloys. <i>Journal of the Less Common Metals</i> , 1990, 158, L1-L7.	0.9	16
95	Tc variation in PbMo ₆ S ₈ : A critical analysis and a comparison with pure phases. <i>Materials Research Bulletin</i> , 1991, 26, 1151-1165.	2.7	16
96	Oxidation of Phenols Over Mesoporous (Cr)MCM-41 Molecular Sieves. <i>Chemistry Letters</i> , 1999, 28, 1141-1142.	0.7	16
97	Density functional study of lanthanide complexes (1-5-C ₅ H ₅) ₂ LnX ⁺ OC ₄ H ₈ (Ln=La ⁺ Lu; X=F, Cl, Br and I). <i>Journal of Organometallic Chemistry</i> , 2003, 679, 84-92.	0.8	16
98	Combinatorial computational chemistry approach to the design of metal catalysts for deNO _x . <i>Applied Surface Science</i> , 2004, 223, 159-167.	3.1	16
99	Theoretical Calculations on Electronic Structure and Catalytic Reaction of Organo-f-element Complexes. <i>Chemistry Letters</i> , 2004, 33, 780-785.	0.7	16
100	Tight-binding quantum chemical molecular dynamics method: a novel approach to the understanding and design of new materials and catalysts. <i>Catalysis Today</i> , 2005, 100, 11-25.	2.2	16
101	H-MOR: Density functional investigation for the relative strength of Brønsted acid sites and dynamics simulation of NH ₃ protonation-deprotonation. <i>Journal of Molecular Catalysis A</i> , 2006, 243, 1-7.	4.8	16
102	Selective Oxidation of Alkenes over Uranyl-Anchored Mesoporous MCM-41 Molecular Sieves. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1922-1931.	1.5	16
103	Synthesis, characterization and electrocatalytic properties of nano-platinum-supported mesoporous carbon molecular sieves, Pt/NCCR-41. <i>Catalysis Today</i> , 2012, 198, 85-91.	2.2	16
104	Acid-Mediated Synthesis of Ordered Mesoporous Aluminosilicates: The Challenge and the Promise. <i>Chemistry - A European Journal</i> , 2017, 23, 1604-1612.	1.7	16
105	X-ray photoelectron spectroscopic investigations of the activation of FeTi for hydrogen uptake. <i>International Journal of Hydrogen Energy</i> , 1987, 12, 245-250.	3.8	15
106	Thermal studies on Mg ₂ NiH ₄ : Existence of additional hydride phase in the Mg ₂ Ni-Hydrogen system. <i>Thermochimica Acta</i> , 1988, 125, 1-8.	1.2	15
107	Platinum group metals substituted MCM-41 molecular sieves: Synthesis, characterization and application as novel catalysts for the reduction of NO by CO. <i>Journal of Molecular Catalysis A</i> , 2009, 314, 49-54.	4.8	15
108	Evaluation of visible-light driven photocatalytic reaction by porphyrin coupled TiO ₂ nanotubes obtained via rapid breakdown anodization. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104382.	3.3	15

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109	Superconducting, microstructural, and grain boundary properties of hot-pressed PbMo ₆ S ₈ . Journal of Applied Physics, 1992, 72, 4232-4239.	1.1	14
110	Superconductivity and valence state of Tb in Lu _{1-x} Tb _x Ba ₂ Cu ₃ O _{7-δ} (0 ≤ x ≤ 0.7). Applied Physics Letters, 1994, 65, 1296-1298.	1.5	14
111	Studies on photocrosslinkable copolymers of 4-methacryloyloxyphenyl-3,4-dimethoxystyryl ketone and methyl methacrylate. European Polymer Journal, 2005, 41, 831-841.	2.6	14
112	Uranyl-Anchored MCM-41 as a Highly Efficient Photocatalyst in the Oxidative Destruction of Short Chain Linear Alkanes: An in situ FTIR Study. Journal of Physical Chemistry C, 2008, 112, 15832-15843.	1.5	14
113	XPS and XAES studies on hydrogen storage magnesium-based alloys. International Journal of Hydrogen Energy, 1989, 14, 899-902.	3.8	13
114	A Convenient Synthesis of Alkyl Substituted p-Benzoquinones from Phenols and H ₂ O ₂ over TiAPO-5 Molecular Sieve Catalyst. Chemistry Letters, 1999, 28, 455-456.	0.7	13
115	Density Functional Study of the Insertion and Ring-Opening Mechanism of MCP over Cp ₂ LaH and Cp ₂ LuH Catalysts. Journal of the American Chemical Society, 2003, 125, 16210-16212.	6.6	13
116	Fresh and calcined supported 12-tungstosilicic acid: Synthesis, characterization and application to some acid catalyzed reactions. Journal of Molecular Catalysis A, 2007, 275, 14-24.	4.8	13
117	Large-Scale Electronic Structure Calculation on Blue Phosphor BaMgAl ₁₀ O ₁₇ :Eu ²⁺ Using Tight-Binding Quantum Chemistry Method Implemented for Rare-Earth Elements. Japanese Journal of Applied Physics, 2007, 46, 2534-2541.	0.8	12
118	Designing ordered mesoporous aluminosilicates under acidic conditions via an intrinsic hydrolysis method. Dalton Transactions, 2017, 46, 770-779.	1.6	12
119	Sulfonic Acid Functionalized Ordered Mesoporous Silica and their Application as Highly Efficient and Selective Heterogeneous Catalysts in the Formation of 1,2-Monoacetone- α -D-glucose. ChemCatChem, 2018, 10, 5610-5618.	1.8	12
120	Novel ionic liquid-templated ordered mesoporous aluminosilicates: Synthesis, characterization and catalytic properties. Microporous and Mesoporous Materials, 2019, 275, 172-179.	2.2	12
121	Comment on "Crystal structure of lithium beryllium hydride". Physical Review B, 1989, 39, 12329-12330.	1.1	11
122	Critical currents and pinning in powder metallurgically processed Chevrel phase bulk superconducting samples. Physica C: Superconductivity and Its Applications, 1994, 234, 219-228.	0.6	11
123	Title is missing!. Tribology Letters, 2003, 15, 155-162.	1.2	11
124	Theoretical investigation of mixed-ligand lanthanocene complexes, (1,5-C ₅ H ₅) ₂ LnX(OC ₄ H ₈) (Ln=La, Gd, Lu); Tj ETQ 0 0 0 rg BT / Overloc	1.8	11
125	Selective Oxidation of Cycloalkanes over Iron-substituted Hexagonal Mesoporous Aluminophosphate Molecular Sieves. Chemistry Letters, 2004, 33, 198-199.	0.7	11
126	Development of the bifunctional catalyst Mn-Fe-Beta for selective catalytic reduction of nitrogen oxides. Russian Chemical Bulletin, 2014, 63, 389-395.	0.4	11

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127	Surface Studies of Some Hydrogen Storage Materials*. Zeitschrift Fur Physikalische Chemie, 1989, 164, 1199-1206.	1.4	10
128	Specific role of polymorphs of supporting titania in catalytic CO oxidation on gold. Catalysis Today, 2011, 164, 325-331.	2.2	10
129	Investigation of Nano-Molybdenum Carbide Particle Produced by Wire-Explosion Process. IEEE Transactions on Plasma Science, 2015, 43, 3470-3475.	0.6	10
130	A Remarkable Catalytic Activity of Hierarchical Zeolite (ZHâ€5) for Tertiary Butylation of Phenol with Enhanced 2,4â€Diâ€<i>t</i>â€Butylphenol Selectivity. ChemCatChem, 2018, 10, 3978-3984.	1.8	10
131	A novel mixed ligand Te(IV) complex comprising three halides and a dithiocarbamate; synthesis and crystal structure of triiododiethyldithiocarbamatotellurium(IV), Te{(C2H5)2NCS2}I3. Polyhedron, 1996, 15, 1453-1458.	1.0	9
132	High resolution Auger electron spectroscopy studies on (100) and (111) facets of chemical vapor deposited diamond. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1998, 16, 413-418.	0.9	9
133	Diamond deposition on Ni/Ni-diamond coated stainless steel substrate. Journal of Materials Research, 1999, 14, 1148-1152.	1.2	9
134	Synthesis, Characterization and Catalytic Properties of Vanadium Substituted Hexagonal Mesoporous Aluminophosphate Molecular Sieves. Catalysis Letters, 2004, 93, 47-53.	1.4	9
135	Monte Carlo simulation of hydrogen absorption in palladium and palladiumâ€silver alloys. Catalysis Today, 2003, 82, 233-240.	2.2	8
136	Immobilization of Recombinant Endoâ€1,4â€xylanase on Ordered Mesoporous Matrices for Xylooligosaccharides Production. ChemistrySelect, 2019, 4, 11214-11221.	0.7	8
137	Surfactantâ€Mediated and Morphologyâ€Controlled Nanostructured LiFePO 4 /Carbon Composite as a Promising Cathode Material for Liâ€Ion Batteries. ChemistryOpen, 2020, 9, 23-31.	0.9	8
138	Water-Driven Structural Transformation in Cobalt Trimesate Metal-Organic Frameworks. Energies, 2021, 14, 4751.	1.6	8
139	X-ray crystallographic and thermal studies on the hydrides of magnesium and its intermetallics. Bulletin of Materials Science, 1987, 9, 21-27.	0.8	7
140	Note on the formation of surface carbides. Journal of Electron Spectroscopy and Related Phenomena, 1990, 50, 277-287.	0.8	7
141	Ion-induced carbide formation of TiFe: evidence from XPS and AES studies. Journal of the Less Common Metals, 1990, 161, 77-85.	0.9	7
142	Structured TiO2 based catalysts for clean water technologies. Studies in Surface Science and Catalysis, 2006, 162, 151-158.	1.5	7
143	Novel computational chemistry approaches for studying physico-chemical properties of zeolite materials. Microporous and Mesoporous Materials, 2007, 101, 324-333.	2.2	7
144	Production of xylooligosaccharides from xylan catalyzed by endo-1,4-â€D-xylanase-immobilized nanoscale carbon, silica and zirconia matrices. Molecular Catalysis, 2020, 484, 110745.	1.0	7

#	ARTICLE	IF	CITATIONS
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